

Appl. No. 09/753,226
Amdt. Dated 03/08/2005
Reply to Office Action of December 8, 2004

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

- 1 1. (Currently Amended) A method comprising:
2 transmitting a cast frame for a destination device; and
3 receiving a data frame, said data frame being a frame assembled in accordance
4 with an Institute of Electrical and Electronics Engineers (IEEE) 802.11 requirement
5 and having a type field identifying the frame to be a data type, from the destination
6 device in response to the destination device receiving the cast frame for
7 acknowledgement of receipt of the cast frame.

- 1 2. (Original) The method of claim 1, wherein the cast frame is a multicast
2 frame assembled in accordance with Institute of Electrical and Electronics Engineers
3 (IEEE) 802.11.

- 1 3. (Original) The method of claim 1, wherein the cast frame is a broadcast
2 frame assembled in accordance with Institute of Electrical and Electronics Engineers
3 (IEEE) 802.11.

- 1 4. (Original) The method of claim 1, wherein the cast frame comprises a
2 first address field including a first medium access control (MAC) address assigned to a
3 group of wireless units and a second address field including a second MAC address
4 associated with a device transmitting the cast frame.

- 1 5. (Currently Amended) A method comprising:
2 transmitting a cast frame for a destination device by a transmitting device;
3 placing a second MAC address of a second address field of the cast frame into a
4 first address field of a data frame; and
5 receiving the data frame by the transmitting device, said data frame being a
6 frame assembled in accordance with an Institute of Electrical and Electronics
7 Engineers (IEEE) 802.11 requirement and having a type field identifying the frame

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8 to be a data type, from the destination device in response to the destination device
9 receiving the cast frame for acknowledgement of receipt of the cast frame.

1 6. (Currently Amended) The method of claim 1, wherein the destination
2 device is a wireless unit and the cast frame is transmitted from an access point.

1 7. (Original) The method of claim 1, wherein the cast frame comprises a
2 first address field including a plurality of bits set to a predetermined value and a second
3 address field including a MAC address associated with a device transmitting the cast
4 frame.

1 8-11. (Cancelled).

1 12. (Previously Presented) The method of claim 14, wherein prior to
2 receiving the data frame, the method further comprises:

3 scanning a channel carrying the Eavesdrop Unicast frame by a plurality of devices
4 including the destination device;
5 receiving of the Eavesdrop Unicast frame by the destination device.

1 13. (Cancelled).

1 14. (Currently Amended) A method comprising:
2 transmitting an Eavesdrop Unicast frame to a destination device by a
3 transmitting device, the Eavesdrop Unicast frame includes at least four address
4 fields, a first address field including a destination address of the destination device
5 and a fourth address field including a medium access control (MAC) address
6 assigned to a plurality of devices including the destination device; and
7 receiving at the transmitting device a data frame assembled in accordance with
8 Institute of Electrical and Electronics Engineers (IEEE) 802.11 having a type field
9 identifying the frame to be a data type, from the destination device in response to
10 the destination device receiving the Eavesdrop Unicast frame for acknowledgement
11 of receipt of the Eavesdrop Unicast frame, the contents within a first address field

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12 of the data frame having been overwritten with contents from the fourth address
13 field of the Eavesdrop Unicast frame.

1 15. (Previously Presented) The method of claim 14, wherein the destination
2 device is a wireless unit.

1 16. (Cancelled).

1 17. (Currently Amended) A wireless network system comprising:
2 a plurality of wireless units;
3 a fixed backbone network; and
4 an access point in communication with both the fixed backbone network and the
5 plurality of wireless units, the access point to (i) transmit a cast frame for one of the
6 plurality of wireless units, the cast frame comprises a first address field including a
7 first medium access control (MAC) address assigned to a group of wireless units
8 and a second address field including a second MAC address associated with a
9 device transmitting the cast frame, and (ii) receive a data frame, being a frame
10 assembled in accordance with Institute of Electrical and Electronics Engineers
11 (IEEE) 802.11 having a type field identifying the frame to be a data type, from the
12 one of the plurality of wireless units in response to the one of the plurality of
13 wireless units receiving the cast frame for acknowledgement of receipt of the cast
14 frame, an address field of the data frame including the second MAC address from
15 the second address field of the cast frame.

1 18. (Original) The wireless network system of claim 17, wherein the cast
2 frame is a multicast frame assembled in accordance with Institute of Electrical and
3 Electronics Engineers (IEEE) 802.11.

1 19. (Original) The wireless network system of claim 17, wherein the cast
2 frame is a broadcast frame assembled in accordance with Institute of Electrical and
3 Electronics Engineers (IEEE) 802.11.

1 20. (Currently Amended) A software module placed in a stored medium
2 and executed by an electronic device, the software module comprising:
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3 a first module to transmit a cast frame for a destination device, the cast frame
4 comprises a first address field including a first medium access control (MAC)
5 address assigned to a group of wireless units and a second address field including a
6 second MAC address associated with a device transmitting the cast frame; and
7 a second module to detect receipt of a data frame, being a frame assembled in
8 accordance with Institute of Electrical and Electronics Engineers (IEEE) 802.11
9 having a type field identifying the frame to be a data type, from the destination
10 device to acknowledge receipt of the cast frame, an address field of the data frame
11 including the second MAC address from the second address field of the cast frame.

1 21. (Previously Presented) The method of claim 5, wherein the cast frame
2 comprises a first address field including a first medium access control (MAC) address
3 assigned to a group of wireless units and a second address field including a second
4 MAC address associated with a device transmitting the cast frame.